

## CLAIMS

### I claim:

1. A feeding pump device of volume tube continually metering type comprises: a volume tube (1) provided with metering volume section (11), a dragging mechanism (2), and an unilateral inlet valve (8) and an unilateral outlet valve (7). Said volume tube (1) particularly have two unilateral inlet valves (8) and two unilateral outlet valves (7) provided in two ends of inner wall thereof respectively. A piston (9) connected to the said dragging mechanism (2) is provided in said volume tube (1).
- 5 2. A feeding pump device of volume tube continually metering type of claim 1, wherein a grating R(4) is also set on the moving route of the dragging rod of the mentioned piston (9).
- 10 3. A feeding pump device of volume tube continually metering type of claim 1, wherein the mentioned dragging mechanism (2) also includes servo motor (22), belt gear (21), lead screw (23) and lead screw nut (25), which is connected in turn.
- 15 4. A feeding pump device of volume tube continually metering type of claim 1, wherein a casing pipe (6) of lead screw connected with the mentioned piston (9) is set at the outside of mentioned lead screw (23)
5. A feeding pump device of volume tube continually metering type of claim 1, wherein the mentioned dragging mechanism (2) is a linear motor.